

## RUDBECKIA SEROTINA F. TUBULIFORMIS IN NEW ENGLAND

The herbarium specimen of *Rudbeckia serotina* Nutt., on the basis of which this note has been written, was collected by me on July 27, 1975, near the town of Northfield, Orange Co., Vermont. In the field, the plants attracted my attention by the abnormal, tubular, ray flowers in their heads.

In the corrected, eighth edition of *Gray's Manual of Botany* (3), on page 1485, several monstrous forms of *Rudbeckia serotina* are listed. The specimen under discussion matches well with the description of forma *tubuliformis* (Burnh.) Fern. & Schub.: "ligules orange-yellow, tubular at least below."

Forma *tubuliformis* (Burnh.) Fern. & Schub. of *Rudbeckia serotina* Nutt. was originally described by S. H. Burnham in 1914 as a variety of *Rudbeckia hirta* L. (1). In 1948, M. L. Fernald and B. G. Schubert transferred this variety to *Rudbeckia serotina* Nutt. and changed its status to the rank of form (2).

In F. C. Seymour's *The Flora of New England* (4), this form is not listed, and I could not find it in the herbarium collections of the New England Botanical Club. Consequently, it might be that this is the first record of this form in New England. In view of this possibility, I am reporting this collection. For the same reason, I deposited a voucher specimen of *Rudbeckia serotina* Nutt. f. *tubuliformis* (Burnh.) Fern & Schub. from the above cited locality in the herbarium of the New England Botanical Club.

I am grateful to the Gray Herbarium — Arnold Arboretum Library for access to the necessary literature, and to the New England Botanical Club for access to its herbarium, which was helpful for preparation of this note.

### REFERENCES

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2. FERNALD, M. L., & B. G. SCHUBERT. Studies of American types in British herbaria. *Rhodora* **50**: 175. 1948.
3. FERNALD, M. L. *Gray's manual of botany*. ed. 8. Corrected printing. New York. 1970.
4. SEYMOUR, F. C. *The flora of New England*. Rutland, Vermont. 1969.

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